

WHAT IS CLAIMED IS:

1. A contents supplying system comprising a server and a terminal device,

5            wherein the server comprises:

          a unit which encrypts a second portion of contents by a predetermined method and transmits an encrypted second portion of the contents to the terminal device in response to a request of the second portion of the contents, and

10           wherein the terminal device comprises:

          a unit which prepares a first portion of the contents;

          a unit which transmits the request of the second portion of the contents to the server;

15           a unit which receives the encrypted second portion of the contents from the server, and obtains the second portion of the contents by decrypting the encrypted second portion of the contents; and

          a unit which restores the contents from the first and the second portions of the contents.

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2. The contents supplying system according to claim 1, wherein the unit which prepares the first portion of the contents comprises:

25           a unit which transmits the request of the first portion of the contents to the server in response to input of a user; and

          a unit which receives the first portion of the contents from the server and stores the first portion.

30           3. The contents supplying system according to claim 1, wherein the second portion of the contents comprises information continuously needed in reproducing the contents.

4. The contents supplying system according to claim 3,

wherein the contents are moving picture contents, and wherein the second portion of the contents comprises a header information portion of moving picture data forming the moving picture contents.

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5. The contents supplying system according to claim 3, wherein the contents are the moving picture contents, and wherein the second portion of the contents comprises data corresponding to a specific portion in a story of the moving picture contents.

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6. The contents supplying system according to claim 3, wherein the contents are programs, and wherein the second portion of the contents is data defining a function which is utilized in the programs.

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7. The contents supplying system according to claim 1, wherein the request of the second portion is continuously transmitted when the contents are reproduced.

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8. The contents supplying system according to claim 1, wherein the request of the second portion comprises at least a part of the first portion of the contents or specific information, and wherein the server performs certification of the request of the second portion and transmits the second portion to the

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terminal device when the certification is correctly executed.

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9. The contents supplying system according to claim 8, wherein the certification is determined based on coincidence of the first portion of the contents which the server transmitted to the terminal device in the past, with at least a part of the first portion included in the request of the second portion or the first portion specified by the specific information.

10. The contents supplying system according to claim

9, wherein at least a part of the first portion included in the request of the second portion or the first portion specified by the specific information is encrypted.

5           11. The contents supplying system according to claim 10, wherein key information utilized for the encryption comprises time information of encryption of at least a part of the first portion or the specific information.

10           12. The contents supplying system according to claim 1, wherein the server transmits the identical second portions of the contents to a plurality of terminal devices.

15           13. The contents supplying system according to claim 1, wherein the server transmits different second portions of the contents to a plurality of terminal devices respectively.

20           14. The contents supplying system according to claim 1, wherein the second portion is formed by an identical common portion and an individual portion, and wherein the server transmits a combination of the common portion and individual portions different from each other to a plurality of terminal devices.

25           15. A contents supplying method which is executed in a system comprising a server and a terminal device, comprising:  
a step which transmits a request of a first portion of contents in response to input of a user from the terminal device to the server;

30           a step which transmits the first portion of the contents from the server to the terminal device in response to the request of the first portion of the contents;

a step which receives the first portion of the contents from the server and stores the first portion in the terminal

device;

a step which transmits a request of the second portion of the contents to the server from the terminal device;

5 a step which encrypts the second portion of the contents by a predetermined method in the server in response to the request of the second portion, and transmits an encrypted second portion of the contents to the terminal device;

10 a step which receives the encrypted second portion of the contents from the server and obtains the second portion of the contents by decrypting the encrypted second portion of the contents, in the terminal device; and

a step which restores the contents from the first and the second portions of the contents.

15 16. A contents supplying method which is executed in a system comprising a server and a terminal device, comprising:

a step which prepares a first portion of contents in the terminal device;

20 a step which transmits a request of a second portion of the contents from the terminal device to the server;

a step which encrypts the second portion of the contents by a predetermined method in response to the request of the second portion, and transmits an encrypted second portion of the contents from the server to the terminal device;

25 a step which receives the encrypted second portion of the contents from the server and obtains the second portion of the contents by decrypting the encrypted second portion of the contents in the terminal device; and

30 a step which restores the contents from the first and the second portions of the contents.

17. A server of a contents supplying system comprising the server and a terminal device, wherein the terminal device comprises a unit which transmits a request of a first portion

of contents to the server in response to input of a user; a unit which receives the first portion of the contents from the server and stores the first portion; a unit which transmits a request of a second portion of the contents to the server; a unit which  
5 receives an encrypted second portion of the contents from the server and obtains the second portion of the contents by decrypting the encrypted second portion of the contents; and a unit which restores the contents from the first and the second portions of the contents,

10           wherein the server comprises:

          a unit which transmits the first portion of the contents to the terminal device in response to the request of the first portion of the contents; and

          a unit which encrypts the second portion of the contents  
15 by a predetermined method to transmit the encrypted second portion of the contents to the terminal device in response to the request of the second portion of the contents.

18. A terminal device of a contents supplying system  
20 comprising a server and a terminal device:

          wherein the server includes a unit which transmits a first portion of contents to the terminal device in response to a request of the first portion of the contents, and a unit which encrypts a second portion of the contents by a predetermined  
25 method and transmits an encrypted second portion of the contents to the terminal device in response to a request of the second portion of the contents; and

          wherein the terminal device comprises:

          a unit which transmits the request of the first portion  
30 of the contents to the server in response to input of a user;

          a unit which receives the first portion of the contents from the server and stores the first portion;

          a unit which transmits the request of the second portion of the contents to the server;

a unit which receives the encrypted second portion of the contents from the server and obtains the second portion of the contents by decrypting the encrypted second portion of the contents; and

5           a unit which restores the contents from the first and the second portions of the contents.

19. A server of a contents supplying system comprising the server and a terminal device, wherein the terminal device  
10 includes a unit which prepares a first portion of contents; a unit which transmits a request of a second portion of the contents to the server; a unit which receives an encrypted second portion of the contents from the server and obtains the second portion of the contents by decrypting the encrypted second portion of  
15 the contents; and a unit which restores the contents from the first and the second portions of the contents, and

wherein the server comprises a unit which encrypts the second portion of the contents by a predetermined method and transmits the encrypted second portion of the contents to the  
20 terminal device in response to the request of the second portion of the contents.

20. A terminal device of a contents supplying system comprising a server and the terminal device, wherein the server  
25 comprises a unit which encrypts a second portion of contents by a predetermined method and transmits an encrypted second portion of the contents to the terminal in response to a request of the second portion of the contents,

wherein the terminal device comprises:

30           a unit which prepares a first portion of the contents,  
          a unit which transmits the request of the second portion of the contents to the server,

          a unit which receives the encrypted second portion of the contents from the server and obtains the second portion of

the contents by decrypting the encrypted second portion of the contents, and

a unit which restores the contents from the first and second portions of the contents.

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21. A contents supplying program which is executed in a server of a contents supplying system comprising the server and a terminal device, wherein the terminal device includes a unit which transmits a request of a first portion of contents to the server in response to input of a user, a unit which receives the first portion of the contents from the server and stores the first portion, a unit which transmits the request of the second portion of the contents to the server, a unit which receives an encrypted second portion of the contents from the server and obtains the second portion of the contents by decrypting the encrypted second portion of the contents, and a unit which restores the contents from the first and the second portions of the contents,

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wherein the program controls the server to function as:

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a unit which transmits the first portion of the contents to the terminal device in response to the request of the first portion of the contents, and

a unit which encrypts the second portion of the contents by a predetermined method and transmits the encrypted second portion of the contents to the terminal device in response to the request of the second portion of the contents.

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22. A contents supplying program which is executed in a terminal device of a contents supplying system comprising a server and the terminal device, wherein the server comprises a unit which transmits a first portion of the contents to the terminal device in response to a request of the first portion of the contents, a unit which encrypts the second portion of the contents by a predetermined method and transmits an encrypted

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second portion of the contents to the terminal device in response to a request of the second portion of the contents, and

wherein the program controls the terminal device to function as:

5 a unit which transmits the request of the first portion of the contents to the server in response to input of a user,

a unit which receives the first portion of the contents from the server and stores the first portion,

10 a unit which transmits the request of the second portion of the contents to the server,

a unit which receives the encrypted second portion of the contents from the server and obtains the second portion of the contents by decrypting the encrypted second portion of the contents, and

15 a unit which restores the contents from the first and the second portions of the contents.

23. A contents supplying program which is executed in a server of a contents supplying system comprising the server  
20 and a terminal device, wherein the terminal device includes a unit which prepares a first portion of the contents, a unit which transmits a request of a second portion of the contents to the server, a unit which receives an encrypted second portion of the contents from the server and obtains the second portion of  
25 the contents by decrypting the encrypted second portion of the contents, a unit which restores the contents from the first and the second portions of the contents, and

wherein the program controls the server to function as a unit which encrypts the second portion of the contents by a  
30 predetermined method and transmits the encrypted second portion of the contents to the terminal device.

24. A contents supplying program which is executed in a terminal device of a contents supplying system comprising a



server and the terminal device, wherein the server comprises  
a unit which encrypts a second portion of the contents by a  
predetermined method and transmits an encrypted second portion  
of the contents to the terminal device in response to a request  
5 of the second portion of the contents, and

wherein the program controls the terminal device to  
function as:

a unit which prepares the first portion of the contents,  
a unit which transmits the request of the second portion  
10 of the contents to the server,

a unit which receives the encrypted second portion of  
the contents from the server and obtains the second portion of  
the contents by decrypting the encrypted second portion of the  
contents, and

15 a unit which restores the contents from the first and  
second portions of the contents.